

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
 or **Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

00164 7590 10/20/2006

SENT VIA EXPRESS MAIL

LABEL NO.:

EV884206850US

KINNEY & LANGE, P.A.  
 THE KINNEY & LANGE BUILDING  
 312 SOUTH THIRD STREET  
 MINNEAPOLIS, MN 55415-1002  
 12/15/2006 WASFAME 00000007 10694483

01 FC:1501 1400.00 DP  
 02 FC:1504 300.00 DP

Paul G. Koziol (Depositor's name)  
 (Signature)  
 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/694,483	10/27/2003	Chunhong Hou	169.12-0577	4274

TITLE OF INVENTION: BIASING FOR TRI-LAYER MAGNETORESISTIVE SENSORS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$0	\$1700	01/22/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHEN, TIANJIE	2627	360-324120

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Kinney & Lange, P.A.

2. \_\_\_\_\_  
 3. \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Seagate Technology LLC

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Scotts Valley, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government  
 Scotts Valley, CA

4a. The following fee(s) are submitted:

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☒ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 11-0982 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature Paul G. Koziol


Date 13 Dec 2006

Typed or printed name Paul G. Koziol

Registration No. 58,515

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

 <b>FEE TRANSMITTAL</b>	<b>Complete if Known</b>	
	Application No.	10/694,483
	Filing Date	October 27, 2003
	First Named Inventor	Chunhong Hou
	Group Art Unit	2627
	Examiner Name	Chen, Tianjie
Atty. Docket Number		169.12-0577
Total Amount of Payment \$1,700.00		

<b>METHOD OF PAYMENT (Check One)</b>	<b>FEE CALCULATION (Continued)</b>																																																																																																																																															
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. 1.16 and 1.17 and credit any over payments to Deposit Account No.11-0982. Deposit Account Name: Kinney &amp; Lange, P.A. A duplicate copy of this communication is enclosed.</p> <p>2. <input checked="" type="checkbox"/> Check Enclosed</p>	<p><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - Late filing fee or oath</td><td>—</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>—</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td>—</td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For Filing a Request for Reexamination</td><td>—</td></tr> <tr><td>1251</td><td>120</td><td>2251</td><td>60</td><td>Extension for reply within first month</td><td>—</td></tr> <tr><td>1252</td><td>450</td><td>2252</td><td>225</td><td>Extension for reply within second month</td><td>—</td></tr> <tr><td>1253</td><td>1,020</td><td>2253</td><td>510</td><td>Extension for reply within third month</td><td>—</td></tr> <tr><td>1254</td><td>1,590</td><td>2254</td><td>795</td><td>Extension for reply within fourth month</td><td>—</td></tr> <tr><td>1255</td><td>2,160</td><td>2255</td><td>1,080</td><td>Extension for reply within fifth month</td><td>—</td></tr> <tr><td>1402</td><td>500</td><td>2402</td><td>250</td><td>Filing a brief in support of an appeal</td><td>—</td></tr> <tr><td>1403</td><td>1,000</td><td>2403</td><td>500</td><td>Request for oral hearing</td><td>—</td></tr> <tr><td>1814</td><td>130</td><td>2814</td><td>65</td><td>Terminal Disclaimer Fee</td><td>—</td></tr> <tr><td>1452</td><td>500</td><td>2452</td><td>250</td><td>Petition to revive - unavoidable</td><td>—</td></tr> <tr><td>1453</td><td>1,500</td><td>2453</td><td>750</td><td>Petition to revive - unintentional</td><td>—</td></tr> <tr><td>1501</td><td>1,400</td><td>2501</td><td>700</td><td>Utility/Reissue issue fee</td><td>1400</td></tr> <tr><td>1502</td><td>800</td><td>2502</td><td>400</td><td>Design issue fee</td><td>—</td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td>—</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td>—</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Statement</td><td>—</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>—</td></tr> <tr><td>1801</td><td>790</td><td>2801</td><td>395</td><td>Request for Continued Examination (RCE)</td><td>—</td></tr> <tr> <td colspan="5">Other fee (specify) <u>Publication Fee</u></td> <td>300</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>Subtotal (3) \$1,700.00</b></td> </tr> </tbody> </table>	Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee paid	1051	130	2051	65	Surcharge - Late filing fee or oath	—	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	—	1053	130	1053	130	Non-English specification	—	1812	2,520	1812	2,520	For Filing a Request for Reexamination	—	1251	120	2251	60	Extension for reply within first month	—	1252	450	2252	225	Extension for reply within second month	—	1253	1,020	2253	510	Extension for reply within third month	—	1254	1,590	2254	795	Extension for reply within fourth month	—	1255	2,160	2255	1,080	Extension for reply within fifth month	—	1402	500	2402	250	Filing a brief in support of an appeal	—	1403	1,000	2403	500	Request for oral hearing	—	1814	130	2814	65	Terminal Disclaimer Fee	—	1452	500	2452	250	Petition to revive - unavoidable	—	1453	1,500	2453	750	Petition to revive - unintentional	—	1501	1,400	2501	700	Utility/Reissue issue fee	1400	1502	800	2502	400	Design issue fee	—	1460	130	1460	130	Petitions to the Commissioner	—	1807	50	1807	50	Petitions related to provisional applications	—	1806	180	1806	180	Submission of Information Disclosure Statement	—	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	—	1801	790	2801	395	Request for Continued Examination (RCE)	—	Other fee (specify) <u>Publication Fee</u>					300	<b>Subtotal (3) \$1,700.00</b>				
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee paid																																																																																																																																											
1051	130	2051	65	Surcharge - Late filing fee or oath	—																																																																																																																																											
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	—																																																																																																																																											
1053	130	1053	130	Non-English specification	—																																																																																																																																											
1812	2,520	1812	2,520	For Filing a Request for Reexamination	—																																																																																																																																											
1251	120	2251	60	Extension for reply within first month	—																																																																																																																																											
1252	450	2252	225	Extension for reply within second month	—																																																																																																																																											
1253	1,020	2253	510	Extension for reply within third month	—																																																																																																																																											
1254	1,590	2254	795	Extension for reply within fourth month	—																																																																																																																																											
1255	2,160	2255	1,080	Extension for reply within fifth month	—																																																																																																																																											
1402	500	2402	250	Filing a brief in support of an appeal	—																																																																																																																																											
1403	1,000	2403	500	Request for oral hearing	—																																																																																																																																											
1814	130	2814	65	Terminal Disclaimer Fee	—																																																																																																																																											
1452	500	2452	250	Petition to revive - unavoidable	—																																																																																																																																											
1453	1,500	2453	750	Petition to revive - unintentional	—																																																																																																																																											
1501	1,400	2501	700	Utility/Reissue issue fee	1400																																																																																																																																											
1502	800	2502	400	Design issue fee	—																																																																																																																																											
1460	130	1460	130	Petitions to the Commissioner	—																																																																																																																																											
1807	50	1807	50	Petitions related to provisional applications	—																																																																																																																																											
1806	180	1806	180	Submission of Information Disclosure Statement	—																																																																																																																																											
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	—																																																																																																																																											
1801	790	2801	395	Request for Continued Examination (RCE)	—																																																																																																																																											
Other fee (specify) <u>Publication Fee</u>					300																																																																																																																																											
<b>Subtotal (3) \$1,700.00</b>																																																																																																																																																

<b>FEE CALCULATION</b>				
<b>1. BASIC FILING FEE</b>				
Appn. Type	FILING FEE FEE/SMALL	SEARCH FEES FEE/SMALL	EXAM FEES FEE/SMALL	FEES
Utility	300 / 150	500 / 250	200 / 100	—
Design	200 / 100	100 / 50	130 / 65	—
Reissue	300 / 150	500 / 250	600 / 300	—
Provisional	200 / 100	-0- / -0-	-0- / -0-	—
<b>Subtotal (1) \$-0-</b>				
<b>2. EXTRA CLAIM FEES</b>				
Number Claims	Prior	Extra	Fee from Fee Paid Below	
Total	—	—	—	
Indep.	—	—	—	
Multiple Dependent Claims				
Insert 3 and 20, or number previously paid if greater; Reissue see below				
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple Dependent Claim
1204	200	2204	100	Reissue Independent Claims Over Original Patent
1205	50	2205	25	Reissue claims in excess of 20 and over original patent
<b>3. APPLICATION SIZE FEE</b>				
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 small) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 C.F.R. 1.16(s).				
<b>Subtotal (2) \$-0-</b>				

Signature Paul G. Koziol Reg. No. 58,515

Date 12/13/06 Deposit Account No. 11-0982